

## Claims

- 505a37 1. Rotary drum for a tape recorder for recording and/or reproducing signals according to helical scan system, comprising a rotary upper drum and a stationary lower drum (1) and provided with a drum base (2), the drum base (2) and the lower are joined together to form a lower drum assembly by means of which the drum can be arranged in a predetermined manner on a tape deck chassis of the recorder inclusively a tilt angle with regard to tape deck chassis' plane, **characterized in** that the drum base (2) and the lower drum (1) are joined together by a welded joint at a certain area (F) of the lower drum assembly where the drum base (2) and the lower drum (1) abut.
- 505a37 2. The rotary drum according to claim 1, **characterized in** that that the drum base (2) and the lower drum (1) are joined together by welding with a laser beam (8).
- 505a37 3. The rotary drum according to claim 2, **characterized in** that the drum base (2) and the lower drum (1) are joined together by through-welding whereby the laser beam (8) is applied square to looking-down surface of the drum base (2).
- 505a37 4. The rotary drum according to claim 3, **characterized in** that the looking-down surface of the drum base (2) is provided with regions (9) of reduced thickness where the laser beam (8) is to be applied.
- 505a37 5. The rotary drum according to claim 2, **characterized in** that the drum base (2) and the lower drum (1) are joined together by side-welding whereby the laser beam (8) is applied in a predetermined radial manner to get a welded joint at a certain area (F) at circumference of the lower drum assembly where the drum base (2) and the lower drum (1) abut.

5

1.

Add B27

[illegible]